

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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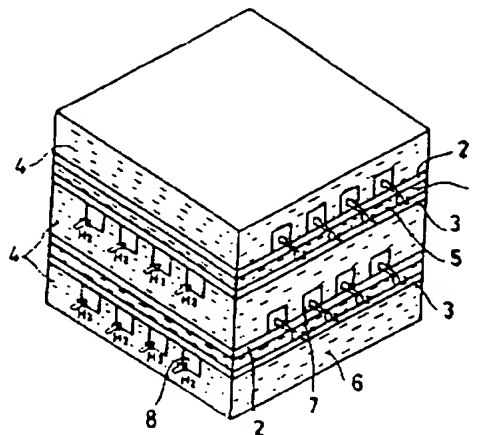
APPLICATION DATE : 30-06-87  
APPLICATION NUMBER : 62161060

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INVENTOR : IRINO MITSUHIRO;

INT.CL. : H01M 8/02 H01M 8/12

TITLE : MANUFACTURE OF FLAT TYPE SOLID  
ELECTROLYTE FUEL CELL



ABSTRACT : PURPOSE: To prevent cracks in the laminated body of a fuel cell in the title at the time of drying and baking by mixing fibers of yttria stabilized zirconia in the first slurry, and mixing  $\text{LaCaCrO}_3$ ,  $\text{LaMgCrO}_3$  or  $\text{Al}_2\text{O}_3$ , and yttria stabilized zirconia fibers in the second slurry.

CONSTITUTION: In the process of laminating a solid electrolyte film 1 consisting of the first slurry, an oxygen side electrode film 2, a fuel side electrode film 3, and an interconnector 4 consisting of the second slurry, and drying and baking the laminated body, yttria stabilized zirconia fibers 5 are mixed in the first slurry, and  $\text{LaCaCrO}_3$ ,  $\text{LaMgCrO}_3$  or  $\text{Al}_2\text{O}_3$ , and yttria stabilized zirconia fibers 6 are mixed in the second slurry. This improves strength of the solid electrolyte film and interconnector, thereby occurrence on cracks in the laminated body to cause it to be split can be prevented at the time of drying and baking.

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